June 3, 1988 Issue 440

DXpedition News

Yemen - 4W The latest word from the Spanish-based Lynx DX Group is that their 4WØEA DXpedition is GO for the last week in June (June 24-30?) All necessary documents are in hand. Operators, barring last minute changes, will be EA2AA, EA9IE, EA2IA, EA5CTP, and EA2JG. SSB and CW operation around the clock from the capital city of Sanaa. QSL manager will be Juan Jose Valles EA5CTP, Apartado 440, 12080 Castellon, Spain.

Yemen (also known as North Yemen) ranks 7th in the 1987 The DX Bulletin's Most Wanted survey, with 67% of responding DXers "needing" 4W. For up-to-the-minute news, check the DX info net on 14212 kHz Saturdays at 1300Z, with EA6MR.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

St. Pierre - FP Look for FP/WB9VLV and FP/AG9A Aug. 10-18, 160-10 M, CW and SSB. QSL N9HIA (ex-WD9BHB.)

Council of Europe - TP The Council of Europe Radio Amateur Club will put TPØCE on June 24-26. QSL CW contacts to F2CW (ex-F6EYS) and SSB QSOs to station manager F6FQK.

DXCC Notes

At the request of the ARRL, the FCC has changed the identification rules for foreign amateurs operating within the US. Beginning this month, they must put the "portable" designation first, as in W6/VP2MO, in keeping with IARU resolutions. (This will not hold for Canadians, who are covered under a separate treaty. Visiting Canadians will continue to sign portable after their call: VE7DX/W6.)

RTTY Report

- ZD7CW has been working US digital DXers on 14084 kHz at 2330Z.
- TU4CQ has been on 14086 kHz at 0200Z. QSL to W. Weatherford, Abidjan, Dept. of State, Washington DC 20520.
- FT5ZB is often on 14088 kHz around 0300Z. QSL F2CW (ex-F6EYS), but be prepared for a long wait for the card.
- PYØFF on Fernando de Noronha likes 14090 kHz at 0330Z weekends.
- FY5AU has been on 21095 kHz at 0000Z.
- FM4FH was on 21084 kHz at 1630Z working Europe. QSL to BP 606, Fort de France, Martinique.
- SV5TS is back on 21087 kHz at 1900Z.
- 8P6QA has been on 21090 kHz at 2100Z.
- VU2IJ has been on AMTOR on 14075 kHz at 0200Z.
- TR8DX has been very active 90 kHz up on both 15 and 20 meters, from 2000Z. He looks to the Pacific at 0800Z weekends. QSL to WA4VDE.
- Helmut VP2MHD likes 14085 kHz at 1200Z.
- 9Y4RJS is on 14086 kHz at 1200Z.
- KX6OI can be found on 14086 kHz at 1030Z.
- V85WS is on 14090 kHz at 1200Z.
- N7BRJ/DU3 works long path into the Eastern US on 14097 kHz at 1045Z.
- CO2BB likes 14085 kHz at 1130Z.
- EA9JV has been active on 14083 kHz from 2245Z. Also watch 14088 kHz at 00-01Z. QSL to Box 100, Melilla, via Spain.

Note The dates for the ANARTS RTTY test are June 11-12, not as published elsewhere.

Shortly Noted

- Three of the more active CW stations last week were 3B8CF on 14033 kHz from 0330Z, JT1BR on 14027 kHz at 1400Z, and OY7ML on 14025 kHz 20-2300Z.
- Active SSB stations included: ZK1XB on 7063 kHz after 0700Z; 9K2EC near 14185 kHz from 2200Z; KX6HN on 14196 kHz 1215-1300Z; P29JP 14178 kHz from 1100Z; and S92LB on 21288 kHz at 2200Z.
- Stations checking into SSB nets were: 9X5AA ZK2JT 9M2HB V85AH 1Z9YL CEØICD 5V7WD TL8HW TZ6VV 5N9GM and ZB2ID.
- A92EM has wrapped up his Bahrain operation, and has returned to his home QTH: G3XHZ.
- ZAØRA showed up several days in a row on 14050 kHz at 0500Z, giving a name of Ramiz and QSL info as Box 1, Tirana(e). Probably some European enjoying the attention.
- Late night DXers might listen on 7163 kHz +/- at 06-0800Z for good split SSB DX goodies, such as TI9 PYØ KH3 VK9 and more.

PROPAGATION

Forecast and Historical Data

Day June	Forecast	27 Days Before Date	Flux	A	K	55 Days Before Date	Flux	A	K
3	High/Low	5/7	111	09/21	3	4/9	127	11/21	3
4	Low Nor	5/8	115	12/24	2	4/10	127	14/21	3
5	High/Low	5/9	120	10/20	3	4/11	131	08/15	3
6	Low Normal	5/10	114	14/20	2	4/12	136	15/21	4
7	High Nor	5/11	112	07/14	2	4/13	134	12/17	2
8	High Nor	5/12	109	05/13	2	4/14	145	08/17	1
9	High Nor	5/13	109	03/12	2	4/15	143	04/14	1
10	High Nor	5/14	103	05/11	2	4/16	147	10/14	4
11	High Nor	5/15	101	04/13	1	4/17	144	07/12	1
12	Low Normal	5/16	101	14/22	1	4/18	144	06/15	1
13	Disturbed	5/17	101	29/41	3	4/19	137	15/15	3
14	Disturbed	5/18	104	14/38	1	4/20	134	07/13	3
15	Low Normal	5/19	102	06/18	1	4/21	126	06/15	1
16	High Nor	5/20	104	07/15	1	4/22	119	35/74	4
17	High/Low	5/21	110	10/22	2	4/23	110	18/33	1
18	High/Low	5/22	111	07/18	1	4/24	104	05/12	3
19	High Nor	5/23	119	04/16	0	4/25	105	05/14	2

Thanks KH6BZF and Space Environment Services Center.

Propagation Watch

Fifteen meters continues to be the hot band for DX, with openings beginning very early in the morning, and often lasting well into darkness. Signal strengths are good, and stations are very workable.

Twenty meters also provides excellent DX opportunities, especially long-haul and polar paths, when the absorption is low. And the absorption has been low for much of the past month, with a few exceptions around solar storms.

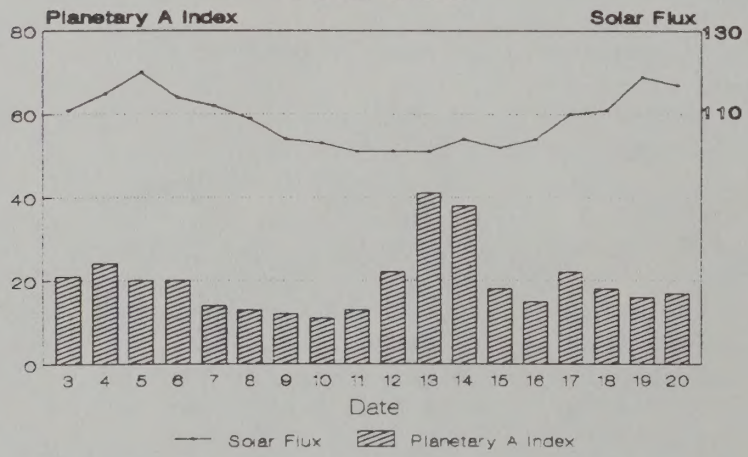
Ten meters has been disappointing, after a few flashes of excitement near the equinox. Ten has been open beyond the usual north-south path a few times over the past few weeks, usually on days of very low planetary absorption. Be sure to try a CQ on 10 if the A index is low.

Twelve meter reports are strangely lacking. The band should be open more often than 10. If the skip is shortening on 15 meters, check 12 and 10 meters for openings in the direction of shortening skip.

The sun is not repeating patterns of 27 days previous, which makes accurate propagation forecasting difficult. If solar activity and band conditions do repeat themselves this solar revolution, look for good DX on June 8-10, and again June 19-20. Disturbed conditions are possible June 13-14.

Remember that the bands are often very good just before the onset of the solar storm. And keep an ear on WWV at 18 minutes after the hour for the latest news.

Solar Data



Dayton Debrief

The 1988 Dayton Hamvention was another smashing success. Estimates of attendance ranged up to 35,000 amateurs, including the largest number of DX attendees in many years. Every hotel room in the county was booked up more than a month in advance.

The weather was perfect: warm but not too hot, and sunny all weekend. The crowds in the commercial exhibit hall were wall to wall all day Saturday. Main corridors were nearly blocked by hams.

Commercial dealers report excellent sales. Many booths sported "Sold Out" signs as early as Saturday afternoon. Attendees were in a buying mood, standing in line at counters with money in their hands. [Yes, The DX Bulletin shared in the buying spree. Thanks, and welcome to all our new subscribers!]

DXers got to twiddle the knobs of ICOM's new IC-781. I bet it can be even programmed to make coffee in the middle of the night!

Among other DX-related gear at the convention was a very heavy duty antenna rotor from Advanced Radio Devices. (ARD's no-tune amp is now marketed by ICOM.) The R9100 rotor has 10,000 inch-pounds of turning torque, and 24,000 in-lb braking torque. It weighs 230 lb, and is much larger than a bread box. Directional control includes computer interfacing, where you enter the prefix of the country you wish to work, and the antenna automatically rotates to the proper direction. Contact ARD at 103 Carpenter Drive, Sterling VA 22170, or call (703)-478-3100 for more info.

Another DX item was the DJ2UT mutliband trapless antenna system. The antennas use a log-periodic type feed system and interlaced long and shorter elements to provide good bandwidth without traps. They range from 5 to 11 elements, and cover 40-10 meters, including the new WARC bands. Stateside prices run from US$450 to $930. They are available in the US from H.J.Theiler Corp (c/o KI4KN), P.O.Box 5369, Spartanburg SC 29304, phone (803) 576-5566.

DXers also enjoyed the AFtronics booth, where a SuperSCAF switched-capacitor audio filter was available for trial. The difference between filter-in and filter-out was remarkable! If you swore you would never again try an audio filter, make an exception for the SuperSCAF. You will be pleasantly surprised! The SuperSCAF is now available in fully-assembled form for $180. Write them at Box 520785, Longwood FL 32752, or call (407) 330-2676.

The ETO booth was also packed, as DXers and contesters eyed the Alpha 80 series of amplifiers. Delivery dates for both the Alpha 87 no-tune amp and the manually-tuned Alpha 86 are early summer. List prices are $3495 and $2995 respectively.

The best crowds of the weekend were around a tiny booth tucked in the back of the building. Two bathing-suit-clad young ladies were selling some small electronic device. I suspect hams were buying merely to get close to the salespeople. I never did find out what the young lovelies were selling.

Another memorable Dayton Hamvention!

Bandpass continued

VK9ND	21370	0130	19	RI
YJ0AFU	21225	0305	24	GA
YK/ OE1RUA	21245	1842	25	VA
Z21BA	21332	1745	24	TX
ZB2SS	21265	1445	16	NY
ZB8MG	21250	1653	20	RI
ZK1CT	21254	0312	16	MD
ZK1XV	21296	0226	21	MD

-----10 Meter CW-----

5H1HK	28027	2205	28	FL
9H1MRL	28026	1315	28	FL
9Q5DA	28021	2135	12	FL
A35AS	28008	2155	20	FL
I88ITU	28016	2133	15	FL
TA1AW	28035	2129	12	FL
VK9XT	28010	0515	27	CA
VP2M/ W2KVA	28023	2148	25	FL The Last Resort

-----10 Meter SSB-----

3D2MP	28477	0201	15	FL
9H1J	28520	1755	13	RI
D44BC	28520	1750	13	RI
FK8GA	28486	0058	23	MD
TR8JLD	28484	2203	12	KY
Z21BA	28502	1655	21	NH
ZK1KV	28560	2305	15	RI

BANDPASS

Reports Wanted, Especially RTTY, 30 meters

-----RTTY-----				
4N7M	21084	1558	20	IL
4X6KF	21085	1530	25	CA
4X6RA	14092	0119	14	IL
5H3ZO	14090	0250	27	CA
AH9AC	14088	0755	22	CA
DU1AUJ	14088	1535	23	CA
EA9JV	14089	0008	18	OH
FK8FL	14088	0450	21	CA
FT5ZB *	14090	0347	24	CA
JY9IU	14083	2310	26	CA
KC6TM	14085	1420	27	CA
OK2FD	14088	0410	27	CA
RW3AH	14093	2045	26	CA
ST2SA	14078	0220	19	OH
SV5TS	21089	1944	15	OH
TR8DX	14091	2014	19	OH
TR8DX	21090	2052	22	MN
TR8DX	14080	0650	23	CA
TU4BU	14083	2305	24	CA
TU4CQ	14084	0005	23	CO
UZ9CWA	14083	0240	17	OH
V85WS	14089	1645	22	CA
V85WS	14090	1223	23	MN
VP2EZ	14084	2345	26	CA
YB5QZ	14089	1520	24	CA
YS1SI	14089	2333	15	OH
-----160 Meters-----				
CT1AOZ	1833	0500	22	WA
KH6CC	1828	1218	13	WA
ZL2ANR	1833	0940	23	MD
-----75 Meters-----				
C21RK	3795	1100	18	PA
KC6JC	3795	0959	18	PA
VK6HD *	3799	2301	22	PA
YC6GR *	3799	2320	22	PA
-----40 Meters-----				
5V7WD	7090	2200	22	ME
A35AS	7005	1208	21	MN
BY4RB	7001	1110	22	MD
BY4WNG	7003	1338	25	OR
FK8FF	7002	1022	22	MD
FR5ES	7003	1344	25	OR
FT5ZB	7005	1053	22	MD
FY5AN	7163	0840	21	RI
KC6E/ JH7IOS	7002	1337	26	OR
KH3/WY5L	7008	1045	24	NY
OH0MM	7012	0030	22	FL
P29HS	7007	1028	22	MD
UA0ZC	7005	1032	20	MD
VK6HD	7090	2200	22	ME
YC3HCM	7010	1013	26	FL
ZK1XB	7163	0823	21	RI
ZL2APW	7089	1045	18	OH
ZL5BA	7163	0730	23	MD
-----30 Meters-----				
5B4OG	10108	0228	23	NH
G6ZO	10108	0602	22	CA
HB9ALV	10108	0530	22	CA
HZ1AB	10106	0228	16	MA
JF6MND	10108	1507	22	CA
ON5AO	10104	0235	23	NH
ZK1DD	10107	0427	23	CA
-----20 Meter CW-----				
3B8CF	14033	0335	20	MT
4K0BR	14007	1008	15	NH
4K0E	14003	1105	19	NY
4S7/K3IW	14026	1528	24	CA
4S7WP	14021	2348	22	MD
4U0UN	14021	0225	26	OR
4U1VIC	14026	1100	19	FL
5H1HK	14003	2140	16	OR
5U7/ TU4BR	14063	2330	16	FL
6T2MG	14060	2250	18	FL
7X2FK	14023	0130	24	OR
8J9ITU	14026	1157	22	PA
9L1GG	14024	0200	18	OH
9M2LE	14016	1615	14	IN
9M2RU	14005	1045	14	FL
9V1VB	14017	1441	23	MT
9V1XE	14008	1345	22	CO
A35AS	14019	1113	20	NH
A4XJZ	14009	0218	21	FL
A92EM	14022	0053	13	FL
A92EM	14003	0409	20	KY
BV2B	14016	1250	14	IN
BY4RB	14038	1225	22	PA
C30LFC	14026	0701	26	CA
C31NP	14015	0015	18	FL
C53GS	14004	2345	19	FL
ED6EIT	14031	1115	21	NH
FK8FG	14023	0602	21	MN
FT0ZB *	14026	1142	28	FL
FT5ZB	14025	0411	22	CA
HB0/ DA1WA	14009	1932	21	FL
HB0/AI5P	14017	0440	23	CA
HZ1HZ	14024	0310	21	MD
JD1/ JA1XGI Ogasawara	14005	2220	20	MA
JT1BR	14010	1353	24	OR
KH3/WY5L	14027	1355	19	OR
OH0MM	14003	0450	24	OR
OX3XD	14029	2151	21	MA
OY/ DK9FE	14010	1009	26	FL
OY7ML	14008	2301	19	MT
P29BR	14023	2038	22	FL
SV5/ SV1RP	14013	1405	30	CA
TA3D	14011	0051	21	FL
TV6MED	14013	0146	12	MI
U8BQ	14019	0743	21	MD
UA1OT	14025	0017	24	FL
UD6DKW	14031	0010	19	FL
UI8V/ UI8IAY	14022	0150	13	GA
UM8NC	14029	0203	24	IN
UP2BYL	14025	1515	24	OR
UW3HY/1	14024	0148	23	MD
VK0DN *	14015	0342	19	ID
VS6AW	14010	2257	21	MN
VU2GSM	14007	1056	15	FL
YN3EO	14006	1306	21	MD
ZK1XB	14004	0109	22	NH
ZL5BKM	14001	0400	23	OR
-----20 Meter SSB-----	14031	0653	15	GA
4K0DC	14004	0748	26	CA
4S7EA	14182	1047	25	NJ
4S7RO	14183	0157	20	RI
	14187	1500	14	CA
4S7RO *	14195	1220	13	RI
4U/VO1KS	14157	2330	20	MA
4U/VO7KS	14156	0106	21	MD
5U7/ TU4BR	14251	2333	15	VT
5V7WD	14222	0512	26	OR
7X5AV	14161	2139	22	MD
8A2ITU	14159	0053	10	KY
8A9ITU	14202	0919	20	NV
9H1FBS	14165	1132	11	MA
9K2EC	14297	0430	20	NY
9K2KW	14185	2142	19	NH
9M2HB	14247	0234	17	MA
9M2RU	14226	1620	22	MI
9M2ZA	14181	1534	21	CO
9M6AE	14182	1202	23	MD
9N1MM	14195	1323	24	OR
A4XJR	14163	0104	16	MD
A92BE	14226	2059	23	NH
AP2SQ	14186	0242	18	MD
BV2A	14191	0250	21	RI
BY1QH	14265	1445	15	CA
BY4RB	14225	1247	24	MD
C21RK	14185	1139	20	MA
C53BU	14222	0650	24	CO
CE0ICD	14160	2337	19	KY
D44BC	14236	0215	16	VT
FH8CB	14227	1255	14	RI
FR4FA/J	14160	2200	20	MA
FR5ES *	14244	0405	25	ME
FR5ZD	14175	1055	20	OH
FT5ZB	14236	0435	16	VT
IP1/I1WS	14183	0956	22	NV
J28DN	14225	0204	23	CA
J52US	14200	0315	20	RI
JW5E	14195	0005	20	RI
JY4ZM	14255	0030	21	MD
KH0AC	14240	0352	23	MD
KH2D	14190	1115	19	OH
KH2F	14201	1431	22	MN
KX6HN	14193	1209	23	CT
OA0PAX	14196	1216	21	MN
OH0MM	14160	2229	15	FL
P29JP	14189	0236	22	MN
P29KH	14176	1112	21	MD
P29MM	14237	1225	24	MD
P29TD	14222	1150	16	RI
PJ4CR	14169	1238	23	DE
RL8PYL	14160	0115	25	TX
S0/EA2JG	14240	0349	15	CA
S0RASD	14195	1609	22	NH
T30BC	14165	0008	10	KY
TA1T	14192	1125	17	NY
TA1U	14195	0148	21	OH
TI0HE	14158	0236	25	ME
UG6LG	14213	0514	22	MI
UL7DA	14212	0242	15	CA
V85HG	14171	0310	21	IN
V85JB	14198	1430	21	NH
XU1SS	14226	1625	22	MI
YI1BGD	14226	1411	25	OR
YN3EO	14225	2043	15	MD
YN3EO	14203	0225	17	MN
ZF8/ ZF2ME	14202	2109	18	MI
ZP88PAX	14200	1221	19	CT
-----15 Meter CW-----	14187	2234	16	RI
4U1VIC	21027	2015	22	OR
5H3RB	21005	1820	16	NY
5U7/ TU4BR	21043	234	24	NJ
9J2BO	21025	1775	17	NH
9J2KF	21013	1723	18	MD
9L1GG	21017	0947	17	MD
9V1TJ	21266	1750	16	FL
9V1VS	21020	1641	20	KY
9X5AA	21011	2045	15	FL
A92EM	21030	2135	26	CA
CE0FFD	21005	2326	20	MD
FR4FA/J	21205	0430	26	WA
HP4X/ GØBFM	21021	2207	25	FL
HV3SJ	21026	2330	27	FL
I88ITU	21017	1513	14	MA
KH3/WY5L	21031	0315	23	CO
LR1V	21012	1717	15	FL
RL8PYL	21016	0230	26	WA
SU/ PA3AXU	21005	1555	13	GA
TA2AH	21050	1950	20	NH
TR8JJC	21026	1937	17	MD
UD6GF	21035	1425	13	GA
UI8AP	21034	0225	26	WA
UI8OAE	21010	1810	23	OR
UJ8JA	21034	0216	15	IN
UL7RBD	21027	2243	14	NH
VK9XT	21110	0415	26	OR
VP2EMA	21023	2329	27	FL
VS6WH	21012	1400	13	GA
VU2TTC	21003	1430	14	NH
VU2ZAP	21008	1170	20	CO
YC3HCM	21030	1252	20	MD
ZB2A	21030	1430	13	GA
-----15 Meter SSB-----				
3X1SG	21207	1900	25	VA
4U3ITU	21260	1900	19	NJ
5B4MF	21292	2039	25	CA
5T5NU	21303	2103	25	CA
5W1GT	21210	0235	25	GA
5Z4DU	21320	2145	13	GA
5Z4MR	21248	2030	19	CA
6W1AAD	21224	1816	21	NH
8A7ITU	21302	1654	19	CT
9K2KW	21216	2317	20	NJ
9N1MM	21241	1215	14	RI
9Q5DA	21253	2203	9	KY
9V1TJ	21249	1646	19	CT
9V1WO	21228	1831	14	MD
9V1WP	21312	1736	14	RI
9X5NH	21332	1751	24	MD
A92EM	21345	1937	25	VA
BT0ZML	21330	1628	13	NY
BV2FA	21284	1439	14	MD
CE0DFL	21254	2227	21	RI
CI8CR	21275	0309	15	MD
FV8NDX	21260	2045	13	CA
HZ1AB	21220	0315	16	CA
JY5CI	21250	1615	18	MD
KX6BU	21230	2200	21	CA
OX3BA	21277	2344	15	RI
RG6GBW	21247	1647	15	FL
S92LB	21293	2152	23	NH
SV5RW	21245	2020	22	CA
SV5TS	21267	2216	15	CA
TK5BF	21282	1538	20	CO
TL8HW	21334	1933	25	VA
TR8JLD	21241	2140	20	NH
TU2PA	21258	1930	25	VA
UC1AWZ	21270	2117	14	CA
V85GA	21300	1645	23	PA

Key to Bandpass: Callsign, frequency, UTC, day of month state. * = long path, P = Packet. All 'portable' calls are listed with country of operation first, regardless of format used on the air.

****

May-June Calendar:

Sun	Mon	Tue	Wed	Thu	Fri	Sa
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18

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Bandpass continued on p. 2

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CALENDAR

Issue 440 - June 3, 1988

(Changes and hot info in boldface.)

Amsterdam - FT8Z	FT5ZB 1832 14-1500Z 7005 0145Z; 14025 0300Z	I426
Aruba - P4	P40P June 15-22	I439
Botswana - A2	A22BW 7005 kHz 1400Z	I438
Central Africa	TL8HW 21335 1900Z	I439
Chagos - VQ9	VQ9QM on CW	I439
Christmas Is.	VK4CEI/VK9X Jun 17-24	I438
Congo - TN	by N4NW soon	I432
Council of Europe	TP0CE June 24-26	I440
E. Carolines	KC6DX May 27-June 5	I433
El Salvador - YS	DK7PE/YS 80 CW now	I439
Franz Josef Land	UA1O/UA0BDU, UW3HY/1	I434
Glorioso - FR/G	FR4FA/G June 22-July	I436
Guinea-Bissau J5	J52US 28450 kHz 14Z+	I435
Juan Fernandez	CE0ICD 14236 2200Z	I434
Kuwait - 9K	9K2EC 14185 2200+	I440
Liechtenstein HB0	HB0/F6GMB Aug 8-20	I437
Marshall Is. KX6	KX6HN 14196 1215-13Z	I440
Mauritius - 3B8	3B8CF 14033 0330Z+	I440
Mongolia - JT	JT1BR 14027 1400Z	I440
Nepal - 9N	9N1MM 14236 00Z Wed	I428
	14183 0100Z	I434
	9N1MM on CW in June	I437
North Cooks ZK1	ZK1QC June 25-30	I436
	ZK1WL 28300 0200Z	I437
Papua New Guinea	P29JP 14178 1100Z+	I440
Rodriguez - 3B9	3B9FR 14250 at 0300Z	I435
	More skeds in Issue 438	
Saba Is. - PJ	PJ0M 6M Jul 7-14	I430
St. Pierre - FP	by W9s Aug 10-18	I440
Sao Tome - S9	S92LB 21290 19-21Z	I439
Singapore - 9V	6 meters June 3-12	I438
Swaziland - 3DA0	3DA0BW 28490 1500Z	I434
Tahiti - FO0	by KP2A to June 15	I439
Taiwan - BV	BV2DA 14005 1400Z	I438
	BV2B 14223-26 1300Z	I439
Tanzania - 5H	5H1HK 21040 13, 22Z	I439
Tokelau - ZK3	by VK2BCH May	I435
Trindade - PY0T	ZY0TR et al June 1-7	I437
	esp. RTTY 14087 kHz	I437
Tuvalu - T2	CQWW SSB by K8JRK	I432
U.A.E. - A61	A61AB 14251 at 2100Z	I439
Vatican - HV	HV3SJ 21242 2000Z	I435
West Sahara - S0	S0RASD 21250 1800Z 28550 kHz at 1630Z	I435
Yemen - 4W	4W0EA June 24-30	I440
Zambia - 9J2	9J2EZ 21010 at 2000Z	I435
Zone 23 - BT0	BT0LS, ZML to May 30	I437
	14180/280 00, 12Z	I433

DX Activities and Contests

Date	Event or Activity	Info
June 11-12	ANARTS RTTY Contest	CQ
June 18-19	All Asian Phone	CQ
July 9-10	IARU HF Contest	QST

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Contributors

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